



BY: Sbloss

PROJECT DESCRIPTION		EQUIPMENT LIST "A"		EQUIPMENT LIST "B"																																																																																																																																																																															
<p><b>GENERAL</b></p> <p>THIS PROJECT INVOLVES THE PARTIAL RECONSTRUCTION AND INSTALLATION OF APS/CPS TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 212 (POWDER MILL ROAD) AND EVANS TRAIL/ALLVIEW DRIVE IN PRINCE GEORGES COUNTY, MARYLAND. MD 212 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.</p> <p><b>INTERSECTION OPERATION</b></p> <p>THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 212 APPROACHES OPERATING CONCURRENTLY AND THE EVANS TRAIL/ALLVIEW DRIVE APPROACHES OPERATING CONCURRENTLY. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE EASTBOUND AND WESTBOUND MD 212 APPROACHES. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS THE WEST LEG OF MD 212 AND ACROSS EVANS TRAIL AND ALLVIEW DRIVE.</p> <p><b>TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS</b></p> <p>1. ALLVIEW DRIVE AND MD 212 (POWDER MILL ROAD) – NORTH APPROACH</p> <p><b>TYPICAL INTERSECTION, STREETS AT 90 DEGREES</b></p> <p>WAIT: "WAIT TO CROSS ALLVIEW AT POWDER MILL" *</p> <p>WALK: RAPID TICK</p> <p>2. EVANS TRAIL AND MD 212 (POWDER MILL ROAD) – SOUTH APPROACH</p> <p><b>TYPICAL INTERSECTION, STREETS AT 90 DEGREES</b></p> <p>WAIT: "WAIT TO CROSS EVANS AT POWDER MILL." *</p> <p>WALK: RAPID TICK</p> <p>3. MD 212 (POWDER MILL ROAD) AND EVANS TRAIL/ALLVIEW DRIVE – WEST APPROACH</p> <p><b>TYPICAL INTERSECTION, STREETS AT 90 DEGREES</b></p> <p>WAIT: "WAIT TO CROSS POWDER MILL AT ALLVIEW AND EVANS" *</p> <p>WALK: RAPID TICK</p> <p>* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPIDICULAR CROSSING IS &lt; 10'</p> <p>** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC</p> <p>NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.</p> <p><b>CONTROLLER REQUIREMENTS</b></p> <p>INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE (1) FOUR-CHANNEL, TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS, SYSTEM PACKAGE, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.</p> <p><b>PHONE DROP</b></p> <p>UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.</p>		<p><b>A. EQUIPMENT TO BE SUPPLIED BY THE SHA</b></p> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>900000</td><td>1 EACH</td><td>VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS</td></tr><tr><td>963010</td><td>1 EACH</td><td>FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER</td></tr><tr><td>971017</td><td>1 EACH</td><td>EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION MONITOR HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET</td></tr><tr><td>973023</td><td>144 S.F.</td><td>SHEET ALUMINUM SIGNS TO CONSIST OF :</td></tr><tr><td></td><td>- 2 EACH</td><td>D-3(2) SIGN (VARIABLE x 16 IN.) DUAL FACED – MAST ARM MOUNT</td></tr><tr><td></td><td>- 2 EACH</td><td>R10-3(1) SIGN (9 IN. x 15 IN.) 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800000	6 EACH	8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION																																																																																																																																																																																	
800000	60 L.F.	CABLE 1-CONDUCTOR, 250 KCML, CU, USE 600V																																																																																																																																																																																	
<p><b>MAINTENANCE OF TRAFFIC</b></p> <p>THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.</p> <p>STANDARD NO. MD-104.04-01 (SHOULDER WORK)      STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)</p> <p>STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)</p> <p>STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)</p> <p>STANDARD NO. MD-104.04-07 (CENTER LANE CLOSURE)</p>		<p><b>EQUIPMENT LIST "C"</b></p> <p>C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA</p> <p>SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET, THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.</p>																																																																																																																																																																																	
<p><b>PROJECT CONTACTS</b></p> <p>THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:</p> <table><tbody><tr><td>MR. BRIAN YOUNG PHONE: (301) 513-7404 ASSISTANT DISTRICT ENGINEER – TRAFFIC (PRINCE GEORGE'S)</td><td>MR. AUGIE REBISH DISTRICT UTILITY ENGINEER PHONE: (301) 513-7350</td></tr><tr><td>MR. VERNON STINNETT ASSISTANT DISTRICT ENGINEER – MAINTENANCE PHONE: (301) 513-7304</td><td>MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630</td></tr></tbody></table>		MR. BRIAN YOUNG PHONE: (301) 513-7404 ASSISTANT DISTRICT ENGINEER – TRAFFIC (PRINCE GEORGE'S)	MR. AUGIE REBISH DISTRICT UTILITY ENGINEER PHONE: (301) 513-7350	MR. VERNON STINNETT ASSISTANT DISTRICT ENGINEER – MAINTENANCE PHONE: (301) 513-7304	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630																																																																																																																																																																														
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		<div><p>STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION</p><p>OFFICE OF TRAFFIC &amp; SAFETY TRAFFIC ENGINEERING DESIGN DIVISION</p><p>MD 212 (Powder Mill Road) and Evans Trail/Allview Drive</p></div> <table><thead><tr><th colspan="4">GENERAL INFORMATION SHEET</th></tr></thead><tbody><tr><td colspan="4">SCALE <u>NONE</u> ADVERTISED DATE <u>7/23/2009</u> CONTRACT NO. <u>PG6765168</u></td></tr><tr><td>DESIGNED BY <u>S. Bloss</u></td><td>COUNTY <u>Prince George's</u></td><td colspan="2"></td></tr><tr><td>DRAWN BY <u>S. Bloss</u></td><td>LOGMILE <u>16021207.38</u></td><td colspan="2"></td></tr><tr><td>CHECKED BY <u>N. Leary</u></td><td>TIMS NO. <u>1262</u></td><td colspan="2"></td></tr><tr><td>F.A.P. NO. _____</td><td>TOD NO. _____</td><td colspan="2"></td></tr><tr><td>TS NO. 3484 C</td><td>DRAWING <b>TSP-5</b> OF <b>5</b></td><td>SHEET NO. 45 OF 45</td><td></td></tr></tbody></table>		GENERAL INFORMATION SHEET				SCALE <u>NONE</u> ADVERTISED DATE <u>7/23/2009</u> CONTRACT NO. <u>PG6765168</u>				DESIGNED BY <u>S. Bloss</u>	COUNTY <u>Prince George's</u>			DRAWN BY <u>S. Bloss</u>	LOGMILE <u>16021207.38</u>			CHECKED BY <u>N. Leary</u>	TIMS NO. <u>1262</u>			F.A.P. NO. _____	TOD NO. _____			TS NO. 3484 C	DRAWING <b>TSP-5</b> OF <b>5</b>	SHEET NO. 45 OF 45																																																																																																																																																					
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